

Product Line Catalog





Dedicated to Excellence

Since 1948, compressed air users around the world have relied on Hankison to provide innovative compressed air treatment solutions for critical applications.

Hankison maintains a long standing reputation for manufacturing products that deliver superior performance, time proven reliability and optimal energy savings

Hankison today is the preferred choice for providing clean, dry compressed air for the most challenging industries.

Where Ideas Become Solutions

SPX is a place where innovation is valued, and the real needs of business are understood. We transform ideas into powerful solutions to help our customers meet their goals, overcome business challenges and thrive in a complex, always-changing marketplace

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global Fortune 500 multi-industry manufacturing leader.

Please visit www.spx.com for more information.

Refrigerated Air Drying Technologies

HPR Series Refrigerated Compressed Air Dryers

The HPR Series non-cycling dryers are designed to meet the demands of customers who want reliability and dry compressed air at an affordable price.

- Flow rates from 10 - 500 scfm (17 to 850 nm³/h)
- Adapts to system needs without complicated controls
- User-friendly installation package saves time
- Maximum moisture removal – everyday
- At-a-glance control panel dew point indication verifies performance



HPR_{plus} Series Refrigerated Compressed Air Dryers

Industry leading HPR_{plus} Series refrigerated dryers deliver stable ISO 8573-1: 2010 Quality Class 4 and Class 5 pressure dew points. All units are UL/CSA certified and feature:

- Flow rates from 100 to 3000 scfm (170 to 5097 nm³/h)
- Integral 3 micron cold coalescing filter, optional cold coalescing oil removal filter
- Energy Management Monitor saves energy
- User friendly designs: compact footprint, less complex, easy access



HES Series Energy Saving Refrigerated Compressed Air Dryers

Precision engineered heat exchangers, ISO Quality Class 8753-1: 2010 integrated filtration and digital scroll compressors make the HES Series the ultimate solution for air systems with varying levels of air demand.

- Flow models 90 to 675 scfm (153 to 1148 nm³/h) employ reliable cycling technology for proven energy savings
- Flow models 800 to 3000 scfm (1359 to 5097 nm³/h) employ digital scroll technology offering energy saving advantages over other designs
- Flow Models 3750 to 12500 scfm (6371 to 21238 nm³/h) provide load matching performance and system redundancy for critical components



HV & HES Series High-Volume Refrigerated Compressed Air Dryers

Engineered performance and energy efficiency for large systems. Select designs engineered for maximum reliability and consistent performance.

- Flow rates from 4000 to 20000 scfm (6796 to 33980 nm³/h)
- Stable ISO 8573-1: 2010 Quality Class 4 and Class 5 pressure dew points
- Pick less than 1 psig (0.07 barg) pressure differential to realize rapid return-on-investment
- Energy Saving, non-cycling and load-matching designs



Heatless Desiccant Compressed Air Dryers

HHS, HHL & HHE Series Heatless Desiccant Compressed Air Dryers

Flow Rates from 40 - 5400 scfm (68 to 9175 nm³/h)

Utilizing twin towers filled with premium grade activated alumina, Hankison Heatless dryers are available with three application specific control systems designed to meet the needs of specific industrial applications with economy and performance!

Three systems deliver consistent outlet pressure dew points to ISO 8573-1: 2010 Class 1 (-100°F, -73°C):



HHS Series – Automatic Sensatherm® Energy Savings

- Automatically matches purge air use to the demand on the system
- Controller features vacuum fluorescent text display that communicates energy savings, operating mode and service reminders
- Select from four pressure dew point settings to optimize your savings for each season

HHL Series – Selectable Purge Economizer Savings

- Selectable energy savings
- Tailor the drying cycles, to match your peak air demand, in 10 percent increments.
- Controller offers four pressure dew point settings to increase your savings and adapt the system to the environment

HHE Series – -40°F Dew Point Performance

- Simple timer based controller
- Designed to deliver maximum value to applications that operate at or near full capacity
- Automatic time controlled bed regeneration cycles offer consistent performance and economy of purchase

DHW Series Pressure-Swing Desiccant Compressed Air Dryers

Hankison's DHW Series protects air systems exposed to temperatures below freezing. This fully enclosed wall-mounted package delivers dew points of ISO 8573-1: 2010 Class 1 (-100°F, -73°C) and Class 2 (-40°F, -40°C) and guarantees flow rates from 7 to 50 scfm (12 to 85 nm³/h).

- Highly accurate solid state timer
- Front mounted control panel
- Clean, streamlined piping and utility connections simplify installation
- Automatic operation and stored adsorptive energy result in long desiccant life
- NGF Series coalescing filter packages available
- Stainless steel support screens and air diffusers



Heated Desiccant Compressed Air Dryers

HCD Series Heat of Compression Desiccant Compressed Air Dryers

Hankison HCD Series heat of compression desiccant air dryers provide a cost effective solution to remove moisture from compressed air. Thermal energy generated during the air compression process is effectively utilized to regenerate the off-line desiccant bed. Ideally suited for oil-free air compressors, HCD Series dryers turn “waste heat” into energy savings.

- Delivers ISO 8573-1: 2010 Air Quality Class 2 to 4 pressure dew point (-40°F to +37°F), dependent on air compressor discharge temperature
- Minimal power required, providing low cost of operation and rapid return on investment
- Low outlet pressure dew points achieved without the use of blowers or booster heaters
- Fully packaged, skid mounted design, provides ease of installation



HPD Series Heated Purge Desiccant Compressed Air Dryers

Global demand for Air Quality Class 3 and our advanced Ambient Air Amplification (A3) Purge Technology enables us to offer you externally heated purge desiccant dryers with guaranteed dew point performance.

- Flow rates from 300 to 3200 scfm (510 to 5437 nm³/h)
- Designed for applications that were previously forced to accept a -40°F pressure dew point when simple protection against seasonal freezing is the issue
- Standard design delivers ISO 8573-1: 2010 dew points between Class 2 and Class 3 automatically. Class 2 (-40°F) dew points protect against freezing during low ambient conditions and Class 3 (-4°F) dew points keep your air system bone dry during the heat of summer
- Towers filled with extra, high-grade activated alumina to deliver superior performance
- Premium quality inlet switching/purge exhaust butterfly valves for long life
- Optional Load-Matching Energy Management System features A3 Purge Technology and guaranteed Class 2 (-40°F/-40°C) dew points



HBP Series Heated Purge Desiccant Compressed Air Dryers

HBP Series dryers improve air system efficiency by the use of a dedicated axial blower, instead of a percentage of dehydrated purge air, to regenerate the off-line desiccant tower. ISO 8573-1: 2010 Class 2 (-40°F/-40°C) dew point performance is guaranteed.

- Flow rates from 500 to 4300 scfm (850 to 7306 nm³/h)
- Extra-large desiccant beds store adsorptive energy for peak efficiency
- 100% efficient at delivering full supply-side compressor capacity.
- Electric or Steam powered bed regeneration options to maximize energy efficiency



Other Desiccant Dryer Technologies

HEDS Series Refrigerated/Desiccant Drying Systems

Combination refrigerated and desiccant air dryer package meets the global demand for optimal energy savings and dew point performance!

- Flow models 700 to 5300 scfm (1200 to 9000 nm³/h)
- Selectable dew point range meet summer/winter seasonal requirements
- Dew point performance +38°F (+3°C) to -40°F (-40°C)

HDF Series Desiccant Compressed Air Drying System

Single tower desiccant air dryers

- Ideal for low flow applications 5 to 30 scfm (8 to 51 nm³/h)

AAA-AT Adsorber Towers (Activated Alumina)

Protect downstream equipment with single tower adsorbers

- Delivers stable -40°F (40°C) pressure dew point
- Flows models range from 40 to 3920 scfm (68 to 6661 nm³/h)

ACAT Series Adsorber towers (Activated Carbon)

For true oil-free air

- Flow models range from 60 to 5500 scfm (102 to 9345 nm³/h)



Compressed Air Filtration Technologies

NGF Series Compressed Air Filters

The Next Generation of Compressed Air Filtration covers flow ranges from 20 to 1500 scfm (35 to 2549 nm³/h). Each of the thirteen flow models are designed to achieve internationally recognized ISO 8753-1: 2010 air quality standards

Select from five specifically engineered grades of filtration:

- **Grade SF** - Bulk Liquid Separator/Filter
 - » Removes Solids 3 micron and larger, Remaining oil content 5 mg/m³
- **Grade PF** - General Purpose Filter
 - » Removes solids 1.0 micron and larger, Remaining oil content 2.0 mg/m³
- **Grade HF** - High Efficiency Oil Removal Filter
 - » Removes 99.999+% solids 0.01 micron and larger, Remaining oil content < 0.01 mg/m³
- **Grade UF** - Ultra High Efficiency Oil Removal Filter
 - » Removes 99.9999+% solids 0.01 micron and larger, Remaining oil content < 0.001 mg/m³
- **Grade CF** - Oil Vapor Removal Filter
 - » Removes solids 0.01 micron and larger, Remaining oil content < 0.004 mg/m³ (as a vapor)

Element condition Indicators, Mounting kits and Drain options available



Compressed Air Filtration Technologies

HF Series Compressed Air Filters

Hankison's HF Series filter elements have been designed utilizing innovative media and manufacturing techniques. The result is increased performance, reduced size and lower operating pressure drop. A systems approach has been used to allow for convenient matching of filter types to achieve the air quality you desire, while comprehensive third party testing guarantees performance to CAGI, ISO, and PNEUROP.

Select from seven specifically engineered grades of filtration:

Flow rates from 20 to 21250 scfm (34 to 36104 nm³/h)

- Grade 11 - Impaction Type Moisture Separators
 - » Removes liquid and solids 10 microns and larger
- Grade 9 - Separator/Filter
 - » Removes bulk solids and liquids 3.0 microns and larger, remaining oil content 5 ppm/w
- Grade 7 - Air Line Filter
 - » Removes solids 1.0 micron and larger, remaining oil content 1.0 ppm/w
- Grade 6 - Desiccant Dust Removal Afterfilter
 - » Removes solids 1.0 micron and larger
- Grade 5 - High Efficiency Oil Removal Filter
 - » Removes 99.999+% of solids 0.01 micron and larger, remaining oil content < 0.08 ppm/w
- Grade 3 - Maximum Efficiency Oil Removal Filter
 - » Removes 99.9999+% of solids 0.01 micron and larger, remaining oil content < 0.0008 ppm/w
- Grade 1 - Oil Vapor Removal Filter
 - » Removes solids 0.01 micron and larger, remaining oil content < 0.003 ppm/w (as a vapor)

Element condition Indicators, Mounting kits and Drain options to meet your specific contaminant removal needs



HFM Series Filter Monitor

Even perfectly audited air systems can benefit from the HFM Series. Typical differential pressure indicators force you to accept 6 to 10 psig (0.4 to 0.7 barg) of costly pressure drop before you are advised it is time to change the element.

- Reduce your compressed air power costs by up to 5% or more
- Annual Energy Savings produces rapid return on investment
- Control what the only variable in your air system costs you



M Series Mist Eliminators

Engineered to provide insurance against liquid slugging most commonly caused by aftercooler drain trap failure or improper timer drain settings

- Flow rates from 125 to 3000 scfm (212 to 5097 nm³/h)
- < 1 psid pressure drop and 8-15 year typical element life
- 5 year equipment warranty
- 5 year element life guarantee
- Liquid removal to 0.5 ppm and 99.98% of particles 0.1 micron and larger



Membrane Technologies

HMM Series Modular Membrane Compressed Air Dryers

The HMM Series offer a revolutionary "point-of-use" alternative for low dew point applications.

- Flow rates from 0.29 to 139.5 scfm (0.5 to 236 nm³/h)
- Eliminate damaging water by reducing system pressure dew point from +40°F to -40°F (+4.4°C to -40°C) and beyond
- No oxygen is lost due to proprietary membrane design
- Modular connections mate the HMM Series and HF Series prefilters and afterfilters together for quick, clean and easy installations
- Free up floor space with our compact, vertical design
- No moving parts to wear out
- Ideal for portable applications and remote installations
- Replaceable membrane bundles combine the convenience of a filter with the reliability of a dryer



SMM with Sweepsaver™ Series Modular Membrane Compressed Air Dryers

Reduce Power Costs

Sweepsaver Series' digital purge control (DPC) accepts your demand signal to open and close an integrated normally open, two-way valve to control the sweep air. A "zero demand" signal keeps the bore of the membrane fibers pressurized while DPC eliminates the waste of sweep air to save you energy. Initiate the process air demand signal to start the flow of sweep air.



HMD Series

- Lightweight - can be installed in air lines without additional support
- Operates in any orientation making it easy to incorporate into existing equipment
- Performs in a wide variety of environments - high and low temperatures, corrosive and explosive atmospheres, in doors or out
- Housings are ABS polymer and aluminum; stainless steel housings are optional
- Water is removed as a vapor - no liquid condensate to dispose of



Condensate Management

HGS Series and HPE Series Condensate Separators

Density or emulsion based condensate separation packages provide cost efficient methods to reduce oily water disposal charges.

- Multiple sizes for system flow rates to 4500 scfm (7645 nm³/h)
- Long life filtration
- Three inlet connections
- Upgrade package for all brands of under-performing systems



Condensate Drains

Pneumatic and Electrically actuated drain traps offer cost effective solutions to your toughest drain applications.

Snap Trap® Automatic Condensate Drains

Level Actuated Pneumatically Operated

Hankison Snap-Trap condensate drains automatically discharge water, oil and oil/water emulsions from separators, receiver tanks, dryers, filters and drip legs.

- Economical drain for light to medium duty service
- Discharges 0.04 pt, 20 cc per operation (0.3 gal/h, 1.2 L/h)
- Maximum working pressures to 175 psig (12.3 barg)



Trip-L-Trap Automatic Condensate Drains

The original pneumatic, self-powered Demand Drains



Timed Electric Drains

Easy to install, operate and maintain

Hankison automatic condensate drains reliably discharge water, oil, and oil/water mixtures from separators, receiver tanks, dryers, filters and drip legs. Installing Hankison automatic condensate drains reduces operating costs to your most critical applications.



High Pressure & Inlet Air Temperatures Technologies

HIT Series High Inlet Temperature Refrigerated Compressed Air Dryers

Cool, dry and clean your compressed air supply in one compact, easy-to-use package

- Flow rates from 20 to 125 scfm (34 to 212 nm³/h)
- Ideal for reciprocating compressors
- No separate aftercooler and separator required
- **Cools** – accepts high temperature air to 180°F (82°C) directly from your air compressor
- **Dries** – removes moisture by eliminating water from downstream air lines and equipment
- **Cleans** – an integral 3.0 micron filter removes solid contaminants and 60% of oil aerosols
- Continuously dries and cleans without adjustments
- Eliminates the need to frequently replace media



HPET Series High Pressure Refrigerated Compressed Air Dryers

Designed for 725 psig (50 barg) operation, Hankison high pressure compressed air dryers and filters form an important part of the PET blow molding compressed air installations around the world. Aeronautical valve and control testing, pharmaceutical testing and packaging, and injection molding are also very common applications for the HPET Series.

- Flow rates from 13 to 3750 scfm (22 to 6371 nm³/h)
- Compact, plate heat exchangers maintain stable dew points for the life of the unit
- Integrated filter/separator and condensate management
- Environmentally friendly HFC refrigerants R-134a and R-404a
- Rugged, durable designs built to handle the pressure



Breathing Air Purification Systems

Catalite® CBA Series Breathing Air Purifiers

Catalite breathing air purifiers offer a way to use your compressed air system as a source for breathing quality air. Air purified by a Catalite can be safely used by supplied-air breathing devices such as masks, hoods, and helmets. A complete purification system, Catalites remove excessive moisture, solid particles (dust and dirt), oil aerosols and mists, carbon monoxide, and hydrocarbon vapors commonly present in compressed air.



Hankison Rental Equipment

Compressed Air and Gases – *as clean and dry as you need it, when you need it!*

Whether your need is for general usage plant air, process air, operating a factory, pressure testing a pipeline or using compressed air to replace nitrogen –RentalDryers.com can furnish the compressed air treatment equipment to produce the degree of purity needed for your application.

Hankison's rental designs make transportation, installation and operation quick and easy. With over 50 years of experience, we are prepared to respond to your needs.

Hankison Rental Equipment is available for immediate shipment throughout North America. Visit us on the web at: www.rentaldryers.com or call us Toll-Free: 1-800-379-3711

Cool, Dry, and Filter for Superior End Results!

Cool – with an Aftercooler/Separator

- Reduce the temperature of hot compressed air leaving the compressor to safe, usable levels (within 5°F to 20°F of ambient temperature)
- Remove up to 70% of water
- Precondition the air for further drying and filtering

Dry – with a Refrigerated or Desiccant Dryer

- Eliminate troublesome liquid water from downstream air lines and equipment
- Choose a dryer to produce a dew point temperature below the lowest temperature that your air lines are exposed to
 - » Dew point temperature = Temperature at which water vapor changes to a liquid

Filter – with a Packaged Filter System

- One micron air line filter
 - » Removes solid particles
- High efficiency coalescing type oil removal filter
 - » Removes oil aerosols (also called oil mist, fog, or smoke)
 - » Provides virtually oil-free air
- Optional system includes oil vapor removal system
 - » Eliminates odor from compressed air
 - » Protects products and processes from contamination





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